

4. Adjust the eye tube to "just closed" with the top (AD) calibrate control.
5. Move the BRIDGE-LEAKAGE switch to DISCHARGE and remove the 100 K Ω resistor.
6. Connect a 1.5 megohm (brown-green-green) resistor across the TEST terminals.
7. Set the controls as follows:
VOLTAGE -- 25 volts.
Type -- MIN. LYTIC.
BRIDGE-LEAKAGE -- LEAKAGE.
8. Adjust the eye tube to the "just closed" position with the bottom (AB) calibrate control.
9. Set the controls as follows:
VOLTAGE -- 3 volts.
Type -- PAPER.
BRIDGE-LEAKAGE -- LEAKAGE.
10. Adjust the eye tube to "just closed" position with the center (AC) calibrate control.
11. Return the BRIDGE-LEAKAGE switch to DISCHARGE and remove the 1.5 megohm resistor from the Test terminals.
7. Reduce the VOLTAGE switch setting and rotate the 2 megohm control until the meter reads 15 μ a.
8. Adjust the eye tube to the "just closed" position with the bottom (AB) calibrate control.
9. Set the controls as follows
Type -- PAPER.
BRIDGE-LEAKAGE -- LEAKAGE.
10. If necessary, reduce the VOLTAGE switch setting, and increase the 2 megohm control until the meter reads 2 μ a.
11. Set the eye tube to the "just closed" position with the center (AC) calibrate control.

LEAKAGE REFERENCE CHECK

Due to component tolerances and line voltage variations, it is usually not possible to draw 2 ma from the power supply on the 25 volt setting of the VOLTAGE switch. To determine the degree of closure of the eye tube under short conditions, set the VOLTAGE switch to 25, BRIDGE-LEAKAGE switch to LEAKAGE, and the Type switch to ELECTROLYTIC. Momentarily short the TEST terminals with a screwdriver and observe the eye tube. The size of the opening remaining should be mentally retained as an indication of short conditions on the 25 volt setting only. The 50 volt position should completely close the eye. NOTE: A completely shorted capacitor will be detected during the value test (Bridge Circuit). It is not recommended that the leakage test be performed on a capacitor known to be shorted since possible damage to the power supply could occur.

CALIBRATION WITH A MILLIAMMETER

1. Connect the meter in series with a 2 megohm control (not supplied) across the TEST terminals.
2. Turn the instrument on and allow it to warm up.
3. Set the controls as follows:
VOLTAGE -- 50 volts.
Type -- ELECTROLYTIC.
BRIDGE-LEAKAGE -- LEAKAGE.
4. Adjust the 2 megohm control until the meter reads 2 ma.
5. Adjust the eye tube to the "just closed" position with the top (AD) calibrate control.
6. Set the controls as follows:
TYPE -- MIN. LYTIC.
BRIDGE-LEAKAGE -- LEAKAGE

EYE TUBE POSITIONING

With the BRIDGE-LEAKAGE switch in the BRIDGE position, rotate the Balance control for a very narrow opening of the eye tube. Next rotate the eye tube in its mounting clip until the eye tube opening is vertical.

Install the cabinet using two 6-32 $\times$ 3/8" screws. The screws are placed through the rear of the cabinet and into the speednuts in the rear chassis flange.

